

## Message Text

SECRET

PAGE 01 MOSCOW 07816 022228Z  
ACTION SY-05

INFO OCT-01 ISO-00 /006 W  
-----030443Z 044406 /12  
R 021725Z JUN 77  
FM AMEMBASSY MOSCOW  
TO SECSTATE WASHDC 8190

S E C R E T MOSCOW 7816

SY CHANNEL

FOR A/SY/T

E.O. 11652: XGDS-3  
TAGS: ASEC  
SUBJECT: SPECIAL MEASUREMENT

1. MUTS SIGNAL ACTIVITY RECORDED THROUGHTOUT THE PRIOD BEGINNING  
AT 1800 HOURS ON 1 JUNE AND ENDING AT 1800 HOURS ON 2 JUNE FOLLOWS:

DATE	MUTS ONE	MUTS TWO
6/2	0800 - 1100 (B) ---	
6/2	1500 - 1700 (B) ---	

2 POWER DENSITY FIGURES CALCULATED USING POWER LEVEL MEASUREMENTS (IN  
PARENS) MADE DURING CERTAIN OF THE PARA ONE ACTIVITY PERIODS  
FOLLOWS:

DATE	TIME	SIGNAL	ROOM	POWER
6/2	1627	ONE(B)	1003	0.69 (46)

3. MUTS-LIKE LOW LEVEL ACTIVITY ORIGINATING FROM THE EAST, AS PRE-  
VIOUSLY REPORTED IN MOSCOW 7524 WAS OBSERVED TODAY, JUNE 2,  
FROM 1330 TO 1500 HOURS AND AGAIN AFTER 1700 HOURS. THOUGH THE  
ACTIVITY RECORDERS AND POWER LEVEL METER WERE UNABLE TO RECORD THE  
PRESENCE OF THIS LOW LEVEL SIGNAL IT COULD BE MONITORED ON THE

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SECRET

PAGE 02 MOSCOW 07816 022228Z

MSR-901 RECEIVER AT FULL GAIN (-90 DBM SENSITIVITY) AND THE HP-8555A  
SPECTRUM ANALYZER WITH ZERO INPUT ATTENUATION. SIMILAR TO A  
MODE (A) SIGNAL, THE LOW LEVEL SIGNAL COVERED A BAND FROM 1.3  
59 1.8 GHZ, WITH A MAXIMUM POWER PEAK AT APPROXIMATELY 1.5 HGZ.  
THIS PEAK LEVEL, MEASURED AT -72 (MINUS SEVENTY-TWO) DB ON THE  
HP-8555A, WAS 36 DB DOWN FROM THE MAXIMUM PEAK AT 2.8 GHZ OF  
THE MUTS ONE (B) SIGNAL MEASURED AND OBSERVED FROM 1500 TO 1700.

4. THOUGH THE ONE (B) ACTIVITY WAS NOT ABNORMAL AND NOT INDICATIVE  
OF TECHNICAL DIFFICULTIES, THE LOW LEVEL ACTIVITY PRECEEDING  
AND FOLLOWING THE ONE (B) ACITIVITY MAY WELL BE ONLY STRAY  
EQUIPMENT EMANATIONS FROM THE MUTS ONE SIGNAL SOURCE. OBSERVATION  
WILL CONTINUE.

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01-Jan-1994 12:00:00 am  
**Channel Indicators:** SY  
**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
**Control Number:** n/a  
**Copy:** SINGLE  
**Sent Date:** 02-Jun-1977 12:00:00 am  
**Decaption Date:** 01-Jan-1960 12:00:00 am  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 22 May 2009  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
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**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** X3  
**Errors:** N/A  
**Expiration:**  
**Film Number:** n/a  
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**Previous Handling Restrictions:** n/a  
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**Review Markings:**  
Margaret P. Grafeld  
Declassified/Released  
US Department of State  
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**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009